

## Anexa 1. Fișa de verificare a îndeplinirii standardelor minimale – abilitare. Domeniul Matematică

**Conf. dr. Mădălina Păcurar:**  $S=15.487$  (minimul necesar = 5.0);  $S_{rec}=6.678$  (minimul necesar = 2.5)

### Precizări.

1. Indicatorul  $S_{rec}$  este calculat pentru ultimii 7 ani care preced anul întocmirii Fișei de verificare (2025), adică pentru lucrările publicate în anii 2018-2024.
2. Valoarea luată în calcul pentru scorul de influență (SRI) este valoarea maximă din ultimele 5 liste Web of Science disponibile la data întocmirii Fișei de verificare (10 ianuarie 2025), adică cele pentru anii 2019, 2020, 2021, 2022 și 2023 (publicată în iunie 2024).

### 1. Indicatorii S și $S_{rec}$ (calculați după scorul relativ de influență)

Nr. crt.	Articol, referință bibliografică	An publ.	Titlu revistă ISI	ISSN	An SRI max	$S_i$ maxim din ultimele 5 liste WoS	$N_i$ număr autori	$S_i/n_i$	$S_i/n_i$ recent
1	Berinde, Mădălina; Berinde, Vasile. On a class of multi-valued weakly Picard mappings, J. Math. Anal. Appl. 326 (2007), 772-782	2007	Journal of Mathematical Analysis and Applications	0022-247X	2023	1.472	2	0.736	0
2	Păcurar, Mădălina. Sequences of almost contractions and fixed points. Carpathian J. Math. 24 (2008), no. 2, 101--109.	2008	Carpathian Journal of Mathematics	1843-4401	2023	0.784	1	0.784	0
3	Berinde, Vasile; Păcurar, Mădălina. Fixed points and continuity of almost contractions. Fixed Point Theory 9 (2008), no. 1, 23–34.	2008	Fixed Point Theory	2066-9208	2020	0.766	2	0.383	0

4	Păcurar, Mădălina. Viscosity approximation of fixed points with $\phi$ -contractions. Carpathian J. Math. 24 (2008), no. 1, 88--93.	2008	Carpathian Journal of Mathematics	1843-4401	2023	0.784	1	0.784	0
5	Păcurar, Mădălina. Approximating common fixed points of Presić-Kannan type operators by a multi-step iterative method. An. Ştiinţ. Univ. "Ovidius" Constanţa Ser. Mat. 17 (2009), no. 1, 153--168.	2009	An. Ştiinţ. Univ. "Ovidius" Constanţa Ser. Mat.	1844-0835	2023	0.521	1	0.521	0
6	Păcurar, Mădălina; Rus, Ioan A. Fixed point theory for cyclic $\phi$ -contractions. Nonlinear Anal. 72 (2010), no. 3-4, 1181--1187.	2010	Nonlinear Analysis-Theory Methods & Applications	0362-546X	2023	2.270	2	1.135	0
7	Păcurar, Mădălina. Fixed point theory for cyclic Berinde operators. Fixed Point Theory 12 (2011), no. 2, 419--428.	2011	Fixed Point Theory	2066-9208	2020	0.766	1	0.766	0
8	Păcurar, Mădălina. Fixed points of almost Presić operators by a $k$ -step iterative method. An. Ştiinţ. Univ. Al. I. Cuza Iaşi. Mat. (N.S.) 57 (2011), suppl. 1, 199--210.	2011	An. Ştiinţ. Univ. "Ovidius" Constanţa Ser. Mat.	1844-0835	2023	0.521	1	0.521	0
9	Păcurar, Mădălina. Common fixed points for almost Presić type operators. Carpathian J. Math. 28 (2012), no. 1, 117--126.	2012	Carpathian Journal of Mathematics	1843-4401	2023	0.784	1	0.784	0
10	Berinde, Vasile; Păcurar, Mădălina Fixed point theorems for nonself single-valued almost contractions. Fixed Point Theory 14 (2013), no. 2, 301--311	2013	Fixed Point Theory	2066-9208	2020	0.766	2	0.383	0
11	Borcut, Marin; Berinde, Vasile; Păcurar, Mădălina. Tripled fixed point theorems for mixed monotone Kannan type contractive operators, J. Applied Math. Volume 2014, Article ID 120203, 8 pages	2014	Journal of Applied Mathematics	1687-0042	2023	0.583	3	0.194	0

12	Berinde, Vasile; Păcurar, Mădălina; Rus, Ioan A. From a Dieudonné theorem concerning the Cauchy problem to an open problem in the theory of weakly Picard operators. Carpathian J. Math. 30 (2014), no. 3, 283–292.	2014	Carpathian Journal of Mathematics	1843-4401	2023	0.784	3	0.261	0
13	Berinde, Vasile; Păcurar, Mădălina. Stability of k-step fixed point iterative methods for some Prešić type contractive mappings. J. Inequal. Appl. 2014, 2014:149, 12 pp.	2014	Journal of Inequalities and Applications	1029-242X	2023	0.812	2	0.406	0
14	Berinde, Vasile; Khan, Abdul Rahim; Păcurar, Mădălina. Convergence theorems for admissible perturbations of $\phi$ -pseudocontractive operators. Miskolc Math. Notes 15 (2014), no. 1, 27--37.	2014	Miskolc Mathematical Notes	1787-2405; 1787-2413	2023	0.579	3	0.193	0
15	Berinde, Vasile; Păcurar, Mădălina. A constructive approach to coupled fixed point theorems in metric spaces. Carpathian J. Math. 31 (2015), no. 3, 277–287.	2015	Carpathian Journal of Mathematics	1843-4401	2023	0.784	2	0.392	0
16	Berinde, Vasile; Păcurar, Mădălina A glance into the beauty of fixed point theory: Professor Emeritus Ioan A. Rus on his 80th anniversary. Carpathian J. Math. 32 (2016), no. 3, i–viii.	2016	Carpathian Journal of Mathematics	1843-4401	2023	0.784	2	0.392	0
17	Balog, Laszlo; Berinde, Vasile; Păcurar, Mădălina. Approximating fixed points of nonself contractive type mappings in Banach spaces endowed with a graph. An. Ştiinţ. Univ. "Ovidius" Constanţa Ser. Mat. 24 (2016), no. 2, 27–43.	2016	An. Ştiinţ. Univ. "Ovidius" Constanţa Ser. Mat.	1844-0835	2023	0.521	3	0.174	0
18	Berinde, Vasile; Păcurar, Mădălina. Approximating fixed points of enriched contractions in Banach spaces, Journal of Fixed Point Theory and Applications, Volume 22, Issue 2, June 2020, Art. Number 38	2020	Journal of Fixed Point Theory and Applications	ISSN: 1661-7738 (Print) 1661-7746 (Online)	2023	1.287	2	0.643	0.643

19	Berinde, Vasile; Păcurar, Mădălina. Kannan's fixed point approximation for solving split feasibility and variational inequality problems, Journal of Computational and Applied Mathematics 386 (2021), Article Number: 113217 Published: APR 2021	2021	Journal of Computational And Applied Mathematics	0377-0427	2023	1.266	2	0.633	0.633
20	Berinde, Vasile; Păcurar, Mădălina. Existence and approximation of fixed points of enriched contractions and enriched $\phi$ -contractions, Symmetry-Basel, 2021, 13, 498. <a href="https://doi.org/10.3390/sym13030498">https://doi.org/10.3390/sym13030498</a>	2021	Symmetry	2073-8994	2023	0.748	2	0.374	0.374
21	Berinde, Vasile; Păcurar, Mădălina. Fixed points theorems for unsaturated and saturated classes of contractive mappings in Banach spaces, Symmetry 2021, 13(4), 713; <a href="https://doi.org/10.3390/sym13040713">https://doi.org/10.3390/sym13040713</a>	2021	Symmetry	2073-8994	2023	0.748	2	0.374	0.374
22	Berinde, Vasile; Păcurar, Mădălina. Fixed point theorems for enriched Ćirić-Reich-Rus contractions in Banach spaces and convex metric spaces, Carpathian Journal of Mathematics, 37 (2021), 173-184	2021	Carpathian Journal of Mathematics	1843-4401	2023	0.784	2	0.392	0.392
23	Berinde, Vasile; Păcurar, Mădălina. Approximating fixed points of enriched Chatterjea contractions by Krasnoselskij iterative algorithm in Banach spaces, Journal of Fixed Point Theory and Applications, vol. 23 (2021) Art. Number 66 <a href="https://doi.org/10.1007/s11784-021-00904-x">https://doi.org/10.1007/s11784-021-00904-x</a>	2021	Journal of Fixed Point Theory and Applications	ISSN: 1661-7738 (Print) 1661-7746 (Online)	2023	1.287	2	0.643	0.643
24	Berinde, Vasile; Păcurar, Mădălina. A new class of unsaturated mappings: Ćirić-Reich-Rus contractions. An. Științ. Univ. "Ovidius" Constanța Ser. Mat. 30 (2022), no. 3, 37--50.	2022	An. Științ. Univ. "Ovidius" Constanța Ser. Mat.	1844-0835	2023	0.521	2	0.261	0.261

25	Berinde, V.; Păcurar, M. The early developments in fixed point theory on $\mathbb{S}$ -metric spaces: a brief survey and some important related aspects. Carpathian J. Math. 38 (2022), no. 3, 523--538.	2022	Carpathian Journal of Mathematics	1843-4401	2023	0.784	2	0.392	0.392
26	Păcurar, Mădălina; Rus, Ioan A. Fixed point theory of cyclic operators. J. Fixed Point Theory Appl. 24 (2022), no. 4, Paper No. 79, 25 pp.	2022	Journal of Fixed Point Theory and Applications	1661-7738; 1661-7746	2023	1.287	2	0.643	0.643
27	Berinde, Vasile; Păcurar, Mădălina. Alternative proofs of some classical metric fixed point theorems by using approximate fixed point sequences. Arab. J. Math. (Springer) 12 (2023), no. 2, 341--351.	2023	Arabian journal of mathematics	2193-5351	2023	0.651	2	0.326	0.326
28	Berinde, Vasile; Păcurar, Mădălina. Krasnoselskij-type algorithms for fixed point problems and variational inequality problems in Banach spaces. Topology Appl. 340 (2023), Paper No. 108708, 15 pp.	2023	Topology and its Applications	1879-3207	2023	0.699	2	0.350	0.350
29	Păcurar, Mădălina. Synchronous $\mathbb{S}$ -cyclic contractions on metric spaces. Fixed Point Theory 24 (2023), no. 2, 683--700.	2023	Fixed Point Theory	2066-9208	2020	0.766	1	0.766	0.766
30	Păcurar, Mădălina. Asymptotic stability of equilibria for difference equations via fixed points of enriched Prešić operators. Demonstr. Math. 56 (2023), no. 1, Paper No. 20220185, 8 pp.	2023	Demonstratio Mathematica	0420-1213; 2391-4661	2023	0.881	1	0.881	0.881
<b>Total</b>								<b>15.487</b>	<b>6.678</b>

**S = 15.487 (minimul necesar = 5.0); S\_rec = 6.678 (minimul necesar = 2.5)**

**2. Indicatorul C (Citări în reviste Web of Science cu SRI > 0.5): minim 12 citări**

Articolul citat	Nr. crt.	Revista și articolul care citează	Si
Păcurar, M., <i>Fixed point theory for cyclic Berinde operators</i> , Fixed Point Theory 12 (2011), No. 2, 419-428	1	Horvat-Marc, A.; Petric, M. Examples of cyclical operators. Carpathian J. Math. 32 (2016), no. 3, 331–338.	0.784
	2	Allahyari, R.; Arab, R.; Shole Haghghi, A. A generalization on weak contractions in partially ordered b-metric spaces and its application to quadratic integral equations. J. Inequal. Appl. 2014, 2014:355, 15 pp.	0.812
Păcurar, Mădălina; Rus, Ioan A. <i>Fixed point theory for cyclic <math>\phi</math>-contractions</i> . Nonlinear Anal. 72 (2010), no. 3-4, 1181–1187	3	Abdeljawad, T.; Karapınar, E.; Taş, K. Existence and uniqueness of a common fixed point on partial metric spaces. Appl. Math. Lett. 24 (2011), no. 11, 1900–1904.	1.427
	4	Alghamdi, M. A.; Hussain, N.; Salimi, P. Fixed point and coupled fixed point theorems on b-metric-like spaces. J. Inequal. Appl. 2013, 2013:402, 25 pp.	0.812
	5	Arshad, M.; Ameer, E.; Karapınar, E. Generalized contractions with triangular $\alpha$ -orbital admissible mapping on Branciari metric spaces. J. Inequal. Appl. 2016, Paper No. 63, 21 pp.	0.812
	6	Karapınar, E. Fixed point theory for cyclic weak $\phi$ -contraction. Appl. Math. Lett. 24 (2011), no. 6, 822–825.	1.427
	7	Rus, I. A.; Şerban, M. A. Basic problems of the metric fixed point theory and the relevance of a metric fixed point theorem. Carpathian J. Math. 29 (2013), no. 2, 239–258.	0.784
	8	Han, Y., Zhang, K., Lin, Q., Huang, S., Yang, X. Assessing lake ecosystem health from disturbed anthropogenic landscapes: Spatial patterns and driving mechanisms. Ecological Indicators, 147 (2023), 110007.	1.769
Berinde, Vasile; Păcurar, Mădălina <i>The role of the Pompeiu-Hausdorff metric in</i>	9	Sahin, H.; Aslantas, M.; Altun, I. Feng-Liu type approach to best proximity point results for multivalued mappings. J. Fixed Point Theory Appl. 22 (2020), no. 1, Paper No. 11, 13 pp.	1.287

<i>fixed point theory</i> . Creat. Math. Inform. 22 (2013), no. 2, 143–150	10	Chistyakov, V. Asymmetric variations of multifunctions with application to functional inclusions. J. Math. Anal. Appl. 478.2 (2019): 421-444.	1.472
	11	Farajzadeh, A. et al. An iterative process for a hybrid pair of generalized $I$ -asymptotically nonexpansive single-valued mappings and generalized nonexpansive multi-valued mappings in Banach spaces. Carpathian J. Math. 34.1 (2018): 31-45.	0.784
	12	Ghorbanian, V. and Rezapour, S. On a system of fractional finite difference inclusions. Adv. Differ. Equ. 2017 (2017): 1-14.	1.084
	13	Altun, I.; Olgun, M. and Minak, G. A new approach to the Assad–Kirk fixed point theorem. Journal of Fixed Point Theory and Applications 18 (2016): 201-212.	1.287
	14	Minak, G. and Altun, I. On the effect of alpha-admissibility and theta-contractivity to the existence of fixed points of multivalued mappings. Nonlinear Anal. Model. Control 21.5 (2016): 673-686.	1.036
	15	Li, X. B. and Li, S. J. Hölder continuity of perturbed solution set for convex optimization problems. Appl. Math. Comput. 232 (2014): 908-918.	1.600
	16	Samei, M. E.; Baleanu, D. and Rezapour, S. An increasing variables singular system of fractional $q$ -differential equations via numerical calculations. Adv. Differ. Equ. 2020, 452(2020).	1.084
	17	Abbas, M.; Anjum, R.; Iqbal, H. Generalized enriched cyclic contractions with application to generalized iterated function system. Chaos Solitons & Fractals 154 (2022), Paper No. 111591, 9 pp	2.503
	18	Alfuraidan, M.R. Remarks on monotone multivalued mappings on a metric space with a graph. J. Inequal. Appl. 2015, 2015:202, 7 pp.	0.812
	19	Ghorbanian, R.; Hedayati, V.; Postolache, M.; Rezapour, S. On a fractional differential inclusion via a new integral boundary condition. J. Inequal. Appl. 2014, 2014:319, 20 pp.	0.812
20	Sarıhan, A. G.; Bandtlow, O. F. Quantitative spectral perturbation theory for compact operators on a Hilbert space. Linear Algebra Appl. 610 (2021), 169–202.	1.483	
Păcurar, Mădălina, <i>Approximating common fixed points of Presić-Kannan type operators by a multi-step iterative</i>	21	Khan, M. S.; Berzig, M.; Samet, B. Some convergence results for iterative sequences of Prešić type and applications. Adv. Difference Equ. 2012, 2012:38, 12 pp.	1.084

<i>method.</i> An. Ştiinţ. Univ. "Ovidius" Constanţa Ser. Mat. 17 (2009), no. 1, 153–168	22	Shukla, S.; Radojević, S.; Veljković, Z. A.; Radenović, S. Some coincidence and common fixed point theorems for ordered Prešić-Reich type contractions. <i>J. Inequal. Appl.</i> 2013, 2013:520, 14 pp.	0.812
	23	Ilić, D.; Abbas, M.; Nazir, T. Iterative approximation of fixed points of Prešić operators on partial metric spaces. <i>Math. Nachr.</i> 288 (2015), no. 14-15, 1634–1646.	1.396
	24	Ramesh Kumar, D.; Pitchaimani, M. A generalization of set-valued Prešić-Reich type contractions in ultrametric spaces with applications. <i>J. Fixed Point Theory Appl.</i> 19 (2017), no. 3, 1871–1887.	1.287
	25	Alecsa, C. D. Some fixed point results regarding convex contractions of Prešić type. <i>J. Fixed Point Theory Appl.</i> 20 (2018), no. 1, Paper No. 7, 19 pp.	1.287
	26	Balazs, M.-E. Maia type fixed point theorems for Prešić type operators. <i>Fixed Point Theory</i> 20 (2019), no. 1, 59–70.	0.766
	27	Shukla, S.; Nashine, H. K. Cyclic-Prešić-Ćirić operators in metric-like spaces and fixed point theorems. <i>Nonlinear Anal. Model. Control</i> 21 (2016), no. 2, 261–273.	1.036